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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	10/820,248
				Filing Date	04-06-2004
				First Named Inventor	Lorenz
				Group Art Unit	
				Examiner Name	
Sheet	1	of	4	Attorney Docket No.	MIT 8873CPCI US


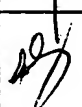
U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines where relevant passages or figures appear
		Number	Kind Code			
12		4,478,638		M. S. Smith, Jr. et al.	10-23-1984	
		5,509,555		Y. Chiang et al.	04-23-1996	
		5,745,834		C. Bampton et al.	04-28-1998	
		4,964,908		Greetham et al.	10-23-1990	
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Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines where relevant passages or figures appear	T
		Office	Number	Kind Code				
27		WO	01/90427	A1	MIT	11-29-2001		
		WO	02/094484	A1	MIT	11-28-2002		
Examiner Signature		J. S. Lh				Date Considered	6/9/05	

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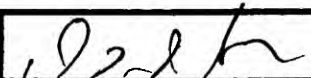
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T
		BANERJEE, S., OBERACKER, R., AND GOETZEL, C., "Experimental Study of Capillary Force Induced Infiltration of Compacted Iron Powders with Cast Iron," Modern Developments in Powder Metallurgy, Vol. 16, Metal Powder Industries Federation: Princeton, NJ, pp. 209-244, 1984.	
		CARMAN, C., Flow of gases through porous media. Butterworths: London, pp. 8-13, 1956.	
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		SCHERER, G., "Theory of Drying," Journal of the American Ceramic Society, Vol. 73, No. 1, pp. 3-14, 1990.	

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		SERCOMBE, T., LORETTO M., AND WU, X., "The Production of Improved Rapid Tooling Materials," Advances in Powder Metallurgy and Particulate Materials, pp. 3-25 to 3-36, Proceedings of the 2000 International Conference of Powder Metallurgy and Particulate Materials, May 30-June 3, 2000. Metal Powder Industries Federation: Princeton, NJ.			
		TANZILLI, R. AND HECKEL, R., "Numerical Solutions to the Finite, Diffusion-Controlled, Two-Phase, Moving-Interface Problem (with Planar, Cylindrical, and Spherical Interfaces)," Transactions of the Metallurgical Society of AIME, Vol. 242, pp. 2313-2321, November 1968.			
		THORSEN, K., HANSEN, S., AND KJAERGAARD, O., "Infiltration of Sintered Steel with a Near-Eutectic Fe-C-P Alloy," Powder Metallurgy International, Vol 15, No. 2, pp. 91-93, 1983.			
			ZHUANG, H., CHEN, J., AND LUGSCHEIDER, E., "Wide gap brazing of stainless steel with nickel-base brazing alloys," Welding in the World, Vol. 24, No. 9/10, pp. 200-208, 1986.		

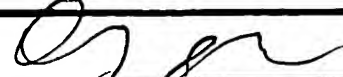
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		ZHUANG, W. AND EAGAR, T., "Liquid infiltrated powder interlayer bonding: a process for large gap joining," Science and Technology of Welding and Joining, Vol. 5, No. 3, pp. 125-134, 2000.			
		GOETZEL, Claus G., "Infiltration," ASM Handbook, Vol. 7, Powder Metallurgy, pp. 551-566, 1984.			
		LANGFORD, George, "High Speed Steel made by Liquid Infiltration," Materials Science and Engineering, 28, pp. 275-284, 1977.			
		LANGFORD, George and CUNNINGHAM, Robert E., "Steel Casting by Diffusion Solidification", Metallurgical Transactions B, Volume 9B, pp. 5-19, March 1978.			

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Filing Date	04-06-2004
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First Named Inventor	LORENZ
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Group Art Unit	1725
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Examiner Name

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Attorney Docket No.

MIT 8873CPC1 US

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**Examiner
Signature**

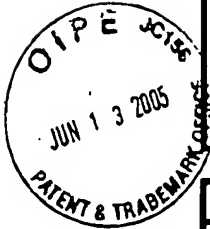
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CP		BANERJEE, S., OBERACKER, R., and GOETZEL, C.G., "Mechanism of Capillary-Force Induced Infiltration of Iron Skeletons with Cast Iron", The International Journal of Powder Metallurgy & Powder Technology, Volume 20, No. 4, pp. 325- 341, 1984.	
W		FLEMING, R. P. H., "Liquid Phase Sintering & Infiltration of Some Nickel Base Alloys Produced by P/M Techniques", Modern Developments in Powder Metallurgy, Proceedings of the 1980 International Powder Metallurgy Conference, Volume 12, pp. 439-451, 1981.	

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